

Message Text

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SUBJECT: US-USSR ENVIRONMENTAL AGREEMENT: PROJECT 02.03-31,
FORMS AND MECHANISMS BY WHICH PESTICIDES AND CHEMICALS ARE
TRANSPORTED

1. REQUEST EMBASSY PASS FOLLOWING MESSAGE DATED JUNE 27
TO S. G. MALAKHOV, INSTITUTE OF EXPERIMENTAL METEOROLOGY,
ULITSA ZHOLIO-KYURI, 18, KALUZHSKAYA OBLAST, OBNINSK,
249020, WITH COPIES TO KAZAKOV OF HYDROMET AND KUDEYAROV IN
PUSHCHINO.
2. "DEAR DR. MALAKHOV: THANK YOU FOR YOUR MESSAGE, WHICH
I RECEIVED ON 17 JUNE 1977, OUTLINING YOUR PLANS FOR THE
VISIT OF YOUR DELEGATION TO THE UNITED STATES IN JULY.
YOUR MESSAGE REFERS TO "JOINT PREPARATORY EXPERIMENTS UNDER
STATIC CONDITIONS," PRESUMABLY UTILIZING OUR AQUATIC ECO-
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SYSTEM SIMULATOR, AND PROMISES A "PROGRAM FOR THE EXPERI-
MENT" TO BE SENT IN THE NEAR FUTURE. THE DETAILS OF THE
EXPERIMENTS YOU WOULD LIKE TO CONDUCT ARE ESSENTIAL TO
FORMULATE SATISFACTORY PLANS TO PERFORM THEM SUCCESSFULLY
DURING A BRIEF VISIT IN ATHENS. AS YOU KNOW, RESEARCH
EMPLOYING SIMULATION OF AQUATIC PROCESSES BY WHICH POLLU-
TANTS ARE TRANSFORMED AND TRANSPORTED IS EXTREMELY COMPLI-

CATED AND REQUIRES LENGTHY DETAILED PLANNING IF IT IS TO BE EXECUTED EFFECTIVELY AND EFFICIENTLY. CONSEQUENTLY, A VISIT IN JULY IS UNLIKELY TO PRODUCE ANY USEFUL RESULTS IF IT IS DEVOTED TO ATTEMPTING LABORATORY EXPERIMENTS. WHEN THE DETAILS OF THE RESEARCH YOU PROPOSE ARRIVE, WE WILL BE ABLE TO JUDGE ITS FEASIBILITY AND SUGGEST AN APPROPRIATE TIME WHEN TOGETHER WE COULD EFFICIENTLY COMPLETE IT IN SOME FUTURE TWO- OR THREE-WEEK PERIOD.

IN MY PREVIOUS MESSAGES, I SUGGESTED THE POSSIBILITY OF JOINTLY DEVELOPING, IN A TWO-WEEK VISIT, CONCEPTS OF A MODEL FOR THE ENVIRONMENTAL TRANSPORT AND TRANSFORMATION OF A PESTICIDE, SUCH AS METHYL PARATHION, AND FORMULATING DETAILED PLANS FOR MUTUAL FUTURE EFFORTS TO TEST AND REFINE THE MODEL, BOTH INDEPENDENTLY AND COOPERATIVELY IN FIELD AND LABORATORY EXPERIMENTS. A TENTATIVE PROGRAM FOR SUCH A VISIT WOULD BEGIN WITH A DAY SPENT REACHING AGREEMENT ON THE OBJECTIVES OF THE TWO-WEEK PROGRAM. THE NEXT THREE DAYS WOULD BE SPENT REVIEWING SIGNIFICANT ENVIRONMENTAL TRANSPORT AND TRANSFORMATION PROCESSES, FOLLOWED BY THREE DAYS EXAMINING A GENERAL PHYSICAL-MATHEMATICAL MODEL AND TWO DAYS DISCUSSING A SITE-SPECIFIC MODEL. THE LAST THREE DAYS WOULD BE DEVOTED TO PLANNING COOPERATIVE TESTING OF THE MODEL. IF APPROPRIATE, A DAY OR TWO COULD BE DEVOTED TO PLANNING EXPERIMENTS IN THE AQUATIC ECOSYSTEM SIMULATOR.

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AS YOU KNOW, A GREAT VARIETY OF SCIENTIFIC DISCIPLINES IS NECESSARY TO COMPREHEND THE ENVIRONMENTAL PROCESSES INVOLVED IN A PESTICIDE'S TRANSPORT AND TRANSFORMATION. MOST OF THESE DISCIPLINES ARE REPRESENTED AT THE ATHENS LABORATORY, ALONG WITH THE NECESSARY MODELING AND COMPUTER EXPERTISE. UNFORTUNATELY, ON SUCH SHORT NOTICE, IT IS IMPOSSIBLE TO ARRANGE FOR ALL OF THEM TO BE PRESENT AT THE TIME OF YOUR PLANNED VISIT IN JULY TO CONDUCT THE PROGRAM OUTLINED ABOVE. THEREFORE, I REQUEST THAT YOUR VISIT BE POSTPONED UNTIL THE PERIOD 18 OCTOBER-8 NOVEMBER 1977, WHEN THE REQUISITE STAFF AND FACILITIES WILL BE AVAILABLE HERE TO ENGAGE IN THIS COOPERATIVE EFFORT.

I REGRET THAT A POSTPONEMENT OF YOUR VISIT IS NECESSARY, AND I HOPE THAT YOU WILL SEND ME AS SOON AS POSSIBLE THE ENGLISH TRANSLATIONS OF THE SOVIET REPORTS GIVEN AT THE TBILISI SYMPOSIUM.

I WOULD ALSO APPRECIATE THE USSR DRAFT OF THE GLOSSARY THAT WE DISCUSSED IN OCTOBER. I ENCOURAGE YOU TO INFORM ME AS SOON AS POSSIBLE OF THE TECHNICAL DETAILS OF THE EXPERIMENTS YOU PROPOSE TO DO HERE, AND TO SHARE WITH ME YOUR

SCIENTIFIC APPRAISAL OF THE PROGRAM WE PROPOSE. MEANWHILE,
I WILL SEND YOU A MORE DETAILED EXPLANATION OF THE PROGRAM.
CORDIALLY, DAVID W. DUTTWEILER, CHAIRMAN, US SIDE, PROJECT
02.03-31." VANCE

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